KALSYS

PLANT MAINTENANCE

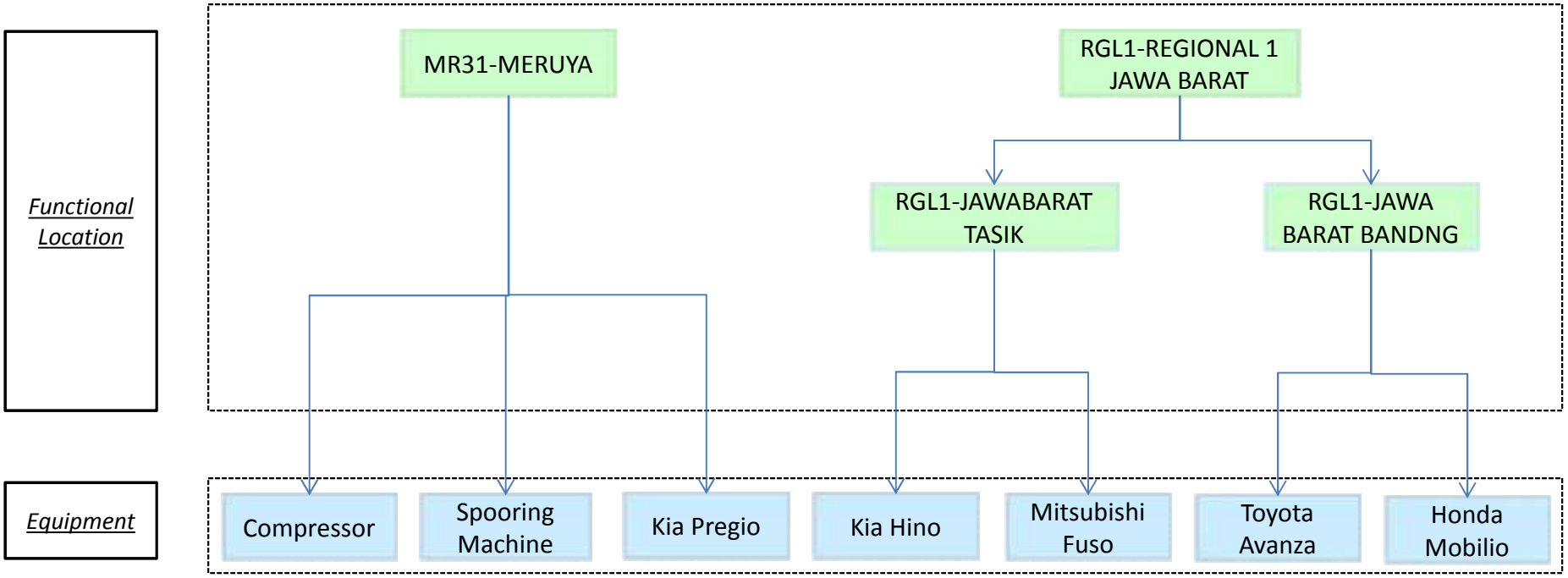
IPP - TEAM

KALSYS

PM Master Data

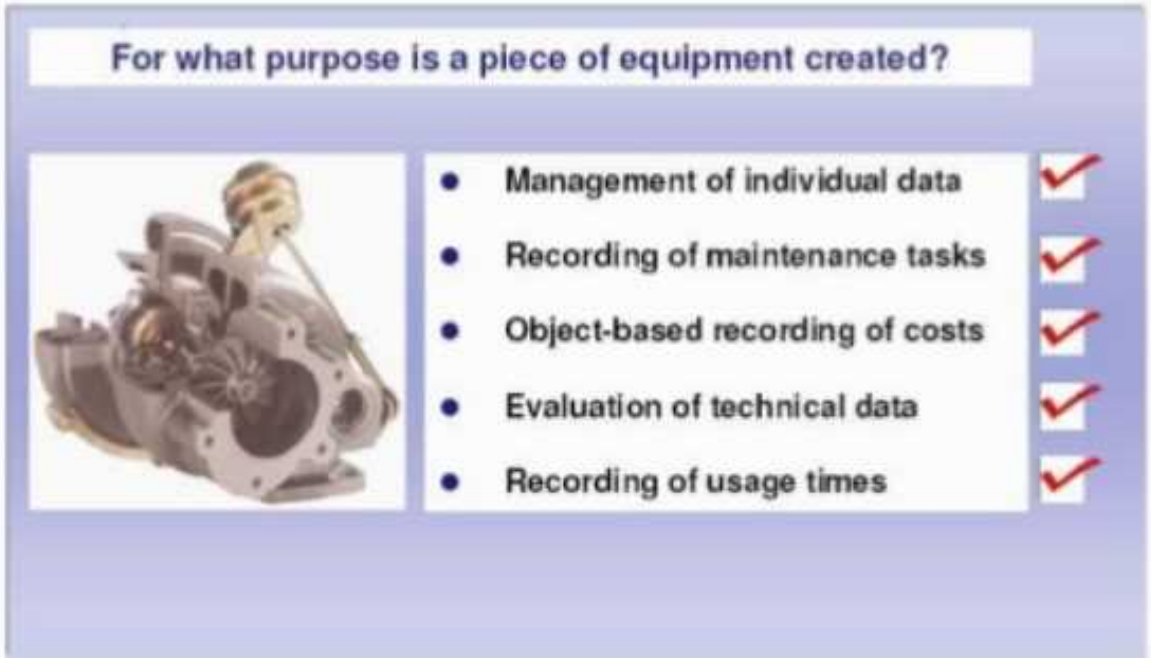
Functional Location

Functional Location in SAP PM is an organizational unit in Logistics that structures the maintenance objects of a company according to **functional**, process-oriented, or spatial criteria.
A **functional location** represents the place at which a maintenance task is performed.



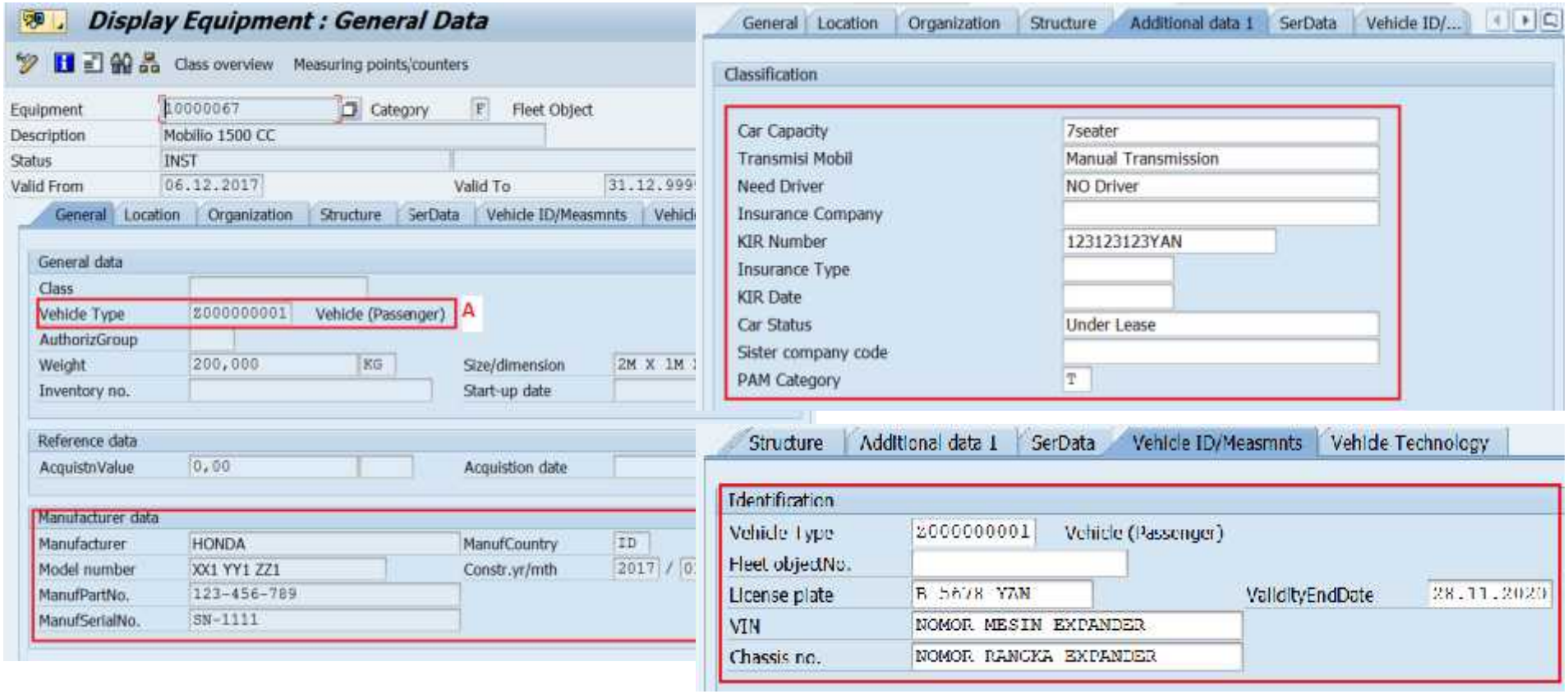
Equipment

Equipment : individual physical object to be maintained as autonomous unit.
Equipment purpose :

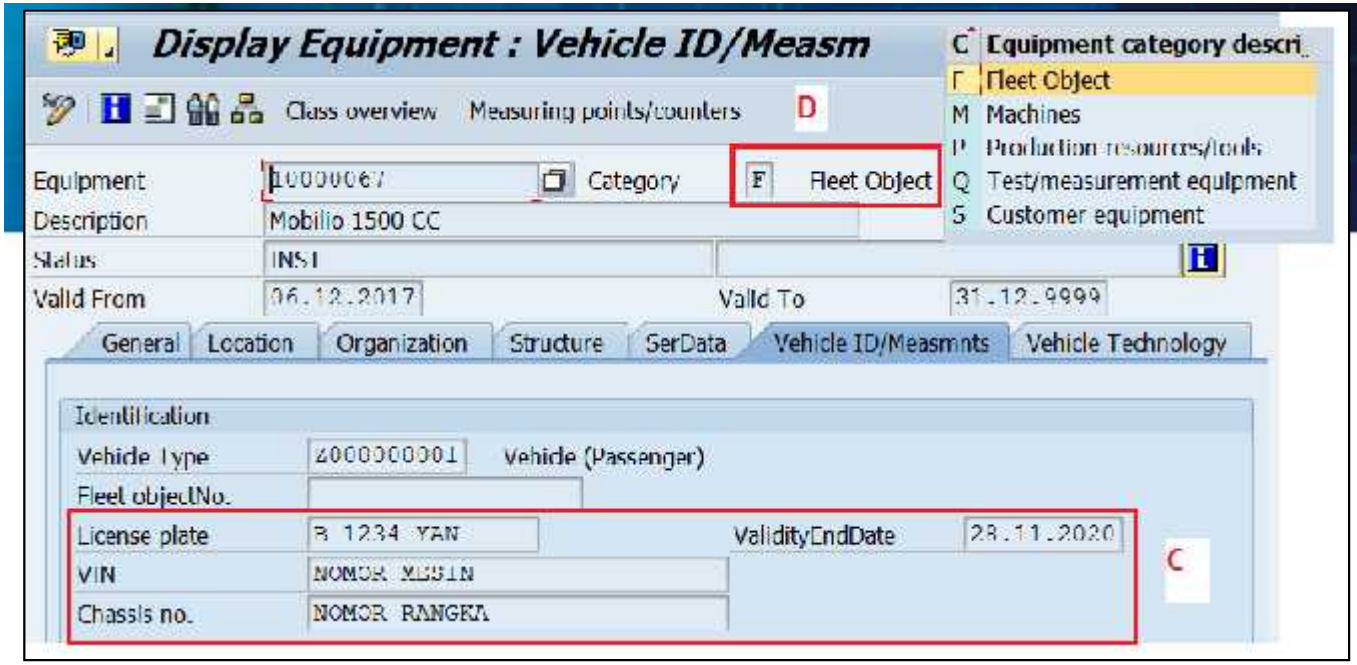


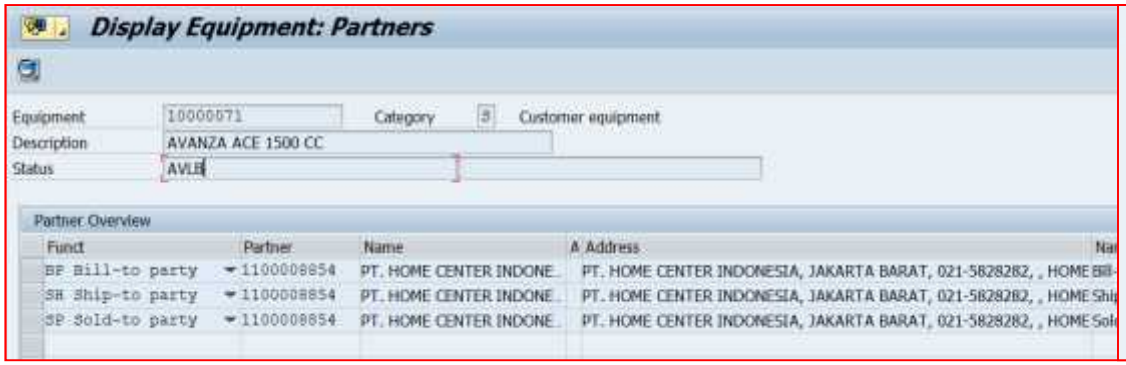
Equipment Information

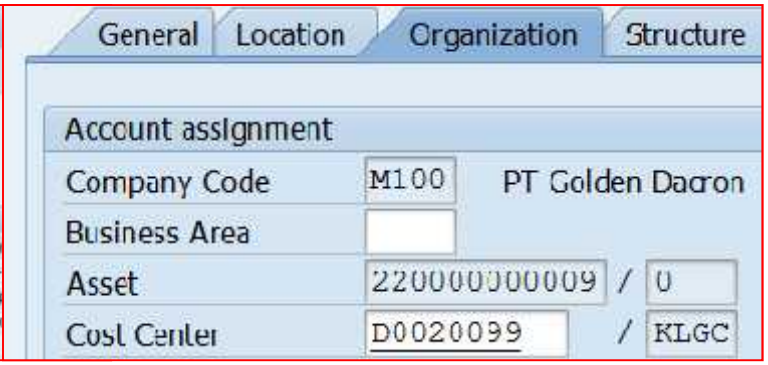
Equipment : Object dari *maintenance* yang dapat di-maintain secara individual

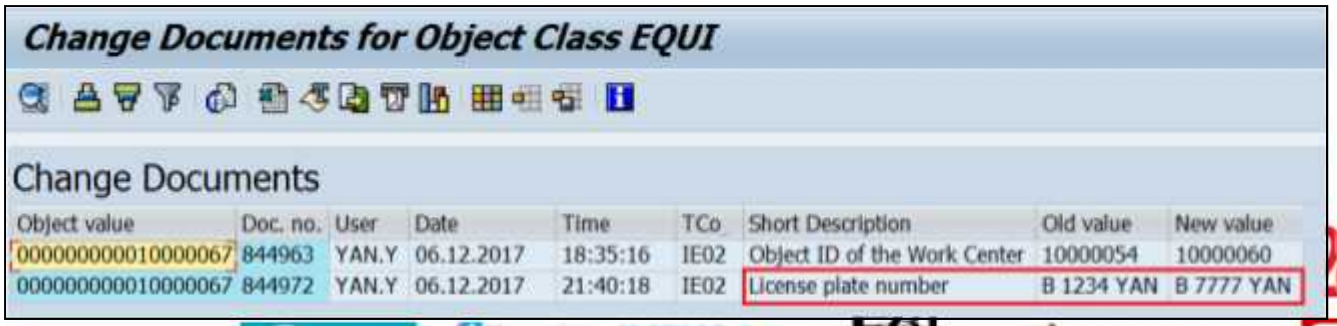


Equipment









Measuring Point and Measuring Document

Measuring points are located on technical objects to describe the physical and/or logical locations at which a condition is described.
Example : the number of kilometers vehicle or the temperature of machine

Measuring documents keep information about the counter (measuring point) of an object.

Measuring Point

Create Measuring Point: Initial screen

MeasPointObject IEQ Equipment
Equipment 2000000004
Description
MeasPtCategory M MeasPoint (ge
MeasPoint is cour

Create Measuring Point: General Data

Additional Data... Last Measurement Document...

Measuring point 8 Cat. M MeasPoint (general)
MeasPosition DISTANCE
Description NUMBER OF KILOMETERS
Equipment 2000000004
Description Honda CRV

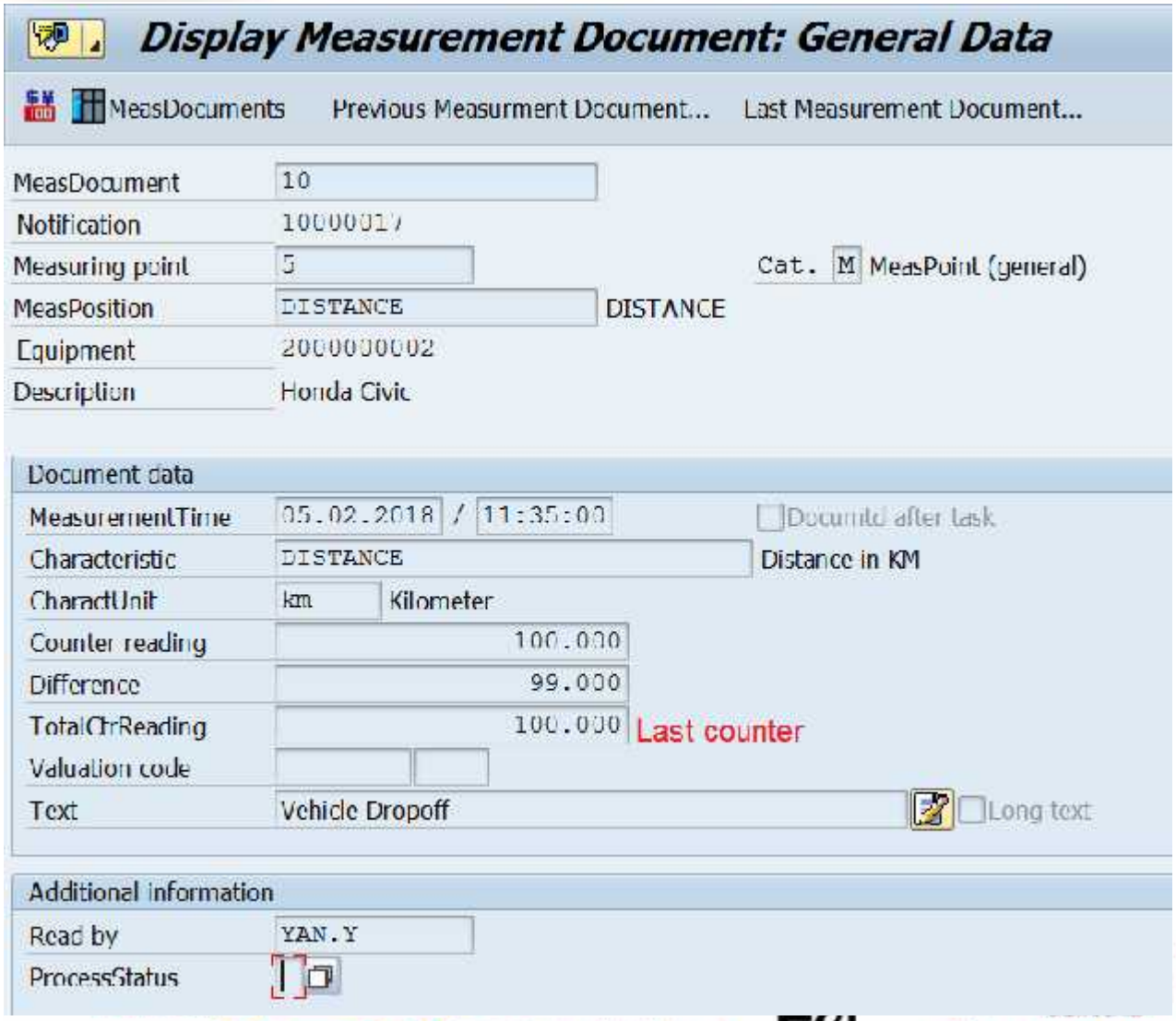
General data

Characteristic DISTANCE Distance in KM
CharactUnit km Kilometer MeasPoint is counter
Decimal places 3 FloatPointExp.
Code group
Assembly
AuthorizGroup
MeasReadTransf. Supported Transfer of

Counter data

CntrOverReadg + km Count backwards
AnnualEstimate 50000.000
Text

Measuring Document



The data transferred to the system after a measurement has been taken at a measuring point or a counter is described in the SAP system as a measurement document

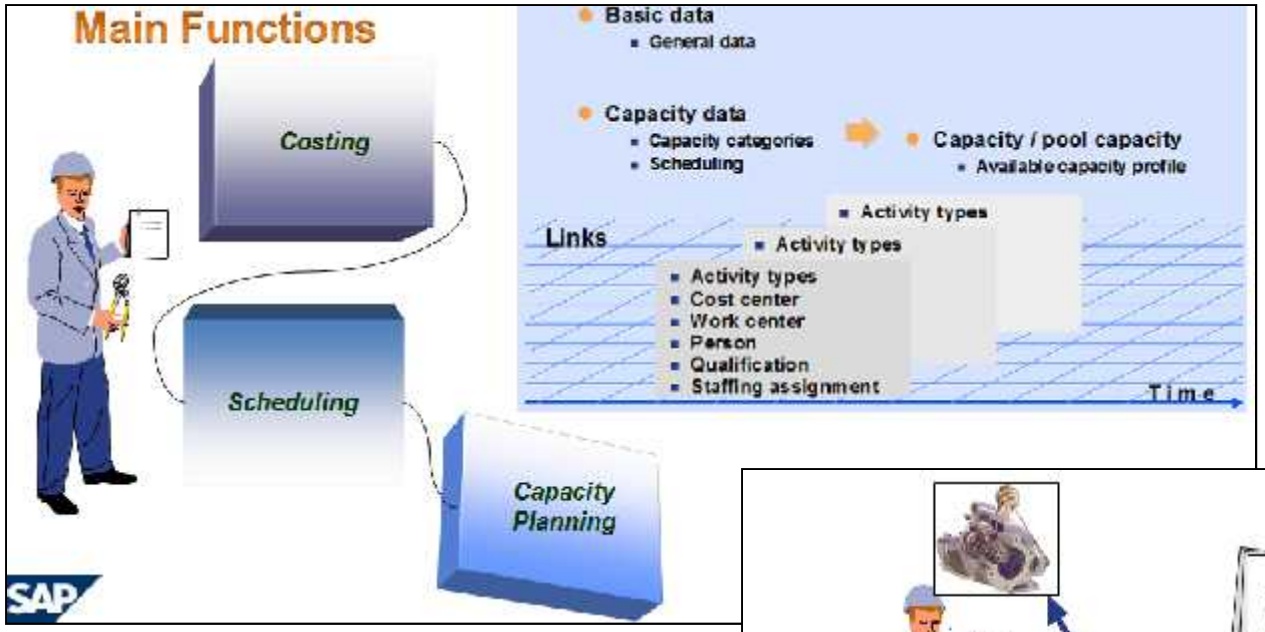
Checking Last Counter

Display Measurement Documents: Measurement Document List

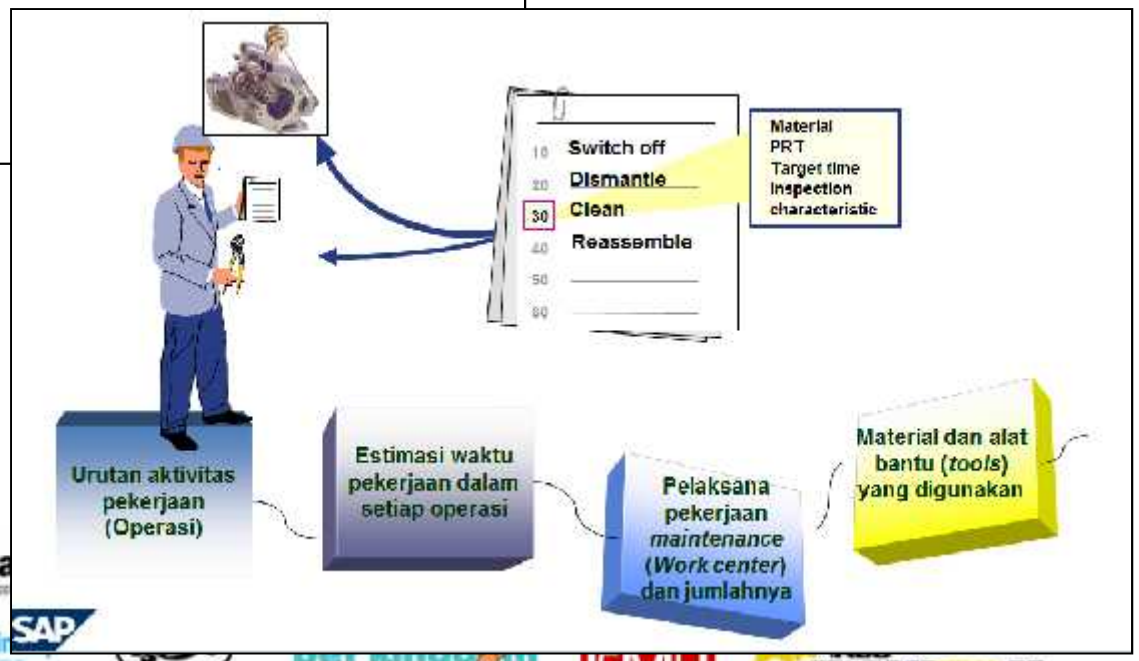
Measurement Document Measuring Point

S	MeasDoc.	Measuring point	Date	Meas/TotCountrRdg	Unit	Text
	77	42	13.12.2017	12000,000	km	Vehicle Issue
	56	42	06.12.2017	10000,000	km	

Work Centre and Task List

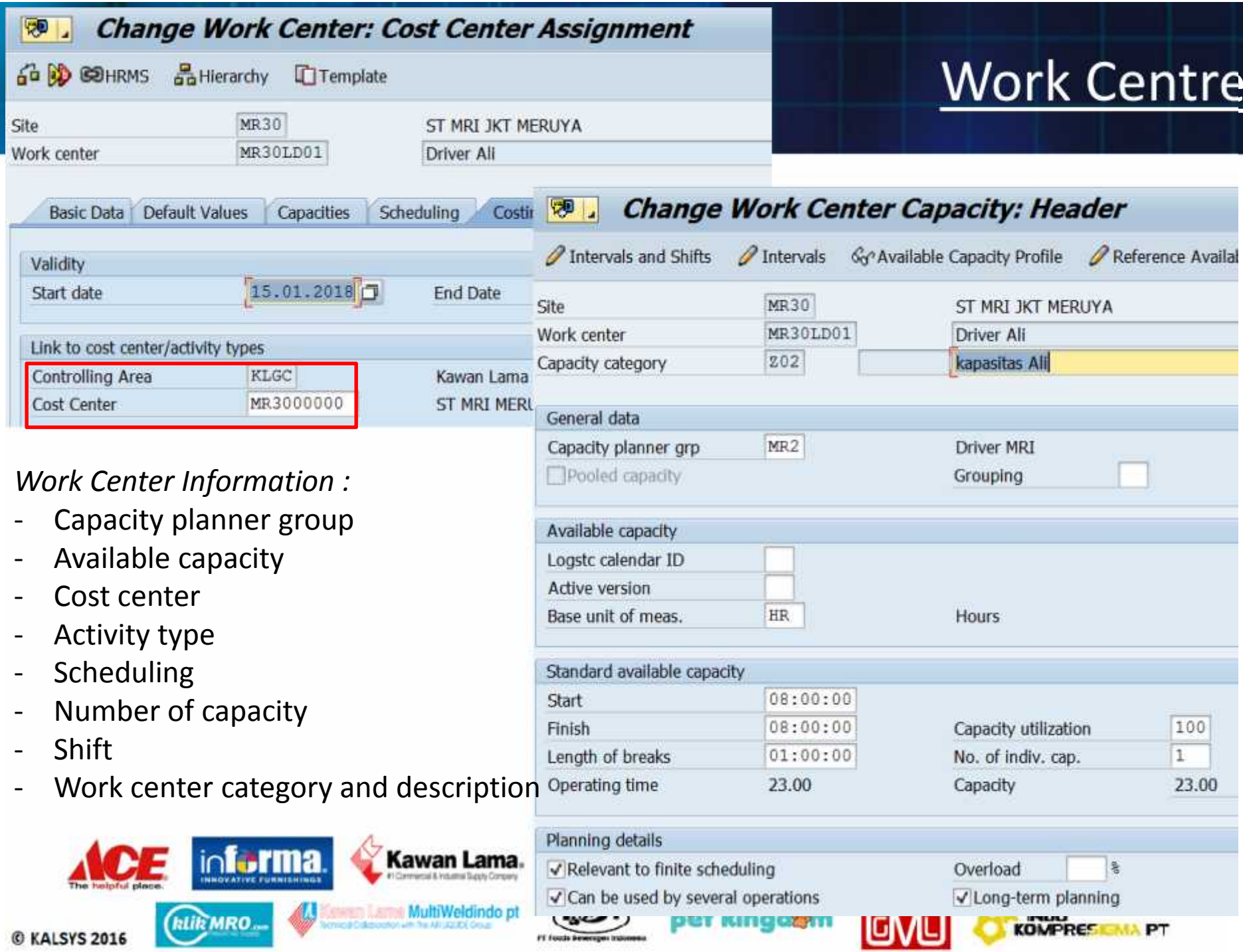


Work Centre
Ex :
Spooring Balancing



Task List.
Ex : Service 10.000 Km
0010 Ganti Oli
0020 Service Machine
0030 Spooring

Work Centre



Work Center Information :

- Capacity planner group
- Available capacity
- Cost center
- Activity type
- Scheduling
- Number of capacity
- Shift
- Work center category and description

Shift

Display Work Center Capacity: Intervals of Available Capacity

Default Values Only intervals

Site	MR30	ST MRI IKT MFRIJYA	
Work center	MR30LM01	Mechanic Yan	
Capacity category	Z02	Kapasitas Yan	
Version	1	Normal available capacity	

Valid From	to	S	Shif...	L...	W.	W...	Shif...	Start Time	End Time	Length of...	Ca...	N...	Opera...	Capa...
09.04.2018	.12.9999			7										
						Mo	1	08:00:00	17:00:00	01:00:00	100	1	8,00	8,0
						Tu	1	08:00:00	17:00:00	01:00:00	100	1	8,00	8,0
						We	1	08:00:00	17:00:00	01:00:00	100	1	8,00	8,0
						Th	1	08:00:00	17:00:00	01:00:00	100	1	8,00	8,0
						Fr	2	08:00:00	17:30:00	01:30:00	100	1	8,00	8,0
						Sa	3	08:30:00	14:30:00	01:00:00	100	1	5,00	5,0

Capacity Requirement Planning

Capacity Planning: Selection

Standard overview | Detailed cap. list | Variable overview

Work Center	
Capacity Planner Group	MR2
Plant	MR30

Capacity Planning: Standard Overview

Driver Capacity

Cap. details/period

Work center MR30LD01 Supir (ALi) Site MR30
Capacity cat.: Z02 Kapasitas Yan

Week	Requirements	AvailCap.	CapLoad	RemAvailCap	Unit
08.2018	163.95	92.00	178 %	71.95-	H
09.2018	60.00	115.00	52 %	55.00	H
10.2018	60.00	115.00	52 %	55.00	H
11.2018	60.00	115.00	52 %	55.00	H
Total >>>	343.95	437.00	79 %	93.05	H

Work center MR30LD02 Supir (Bagus) Site MR30
Capacity cat.: Z02 Kapasitas

Week	Requirements	AvailCap.	CapLoad	RemAvailCap	Unit
08.2018	161.00	92.00	175 %	69.00-	H
09.2018	115.00	115.00	100 %	0.00	H
10.2018	115.00	115.00	100 %	0.00	H
11.2018	115.00	115.00	100 %	0.00	H
Total >>>	506.00	437.00	116 %	69.00-	H

Work center MR30LD03 Supir (Alan) Site MR30
Capacity cat.: Z02 Kapasitas

We use CRP as :
- Capacity evaluation, available capacity and capacity requirements are determined and compared with each other.

Capacity Requirement Planning

Capacity Planning: Selection

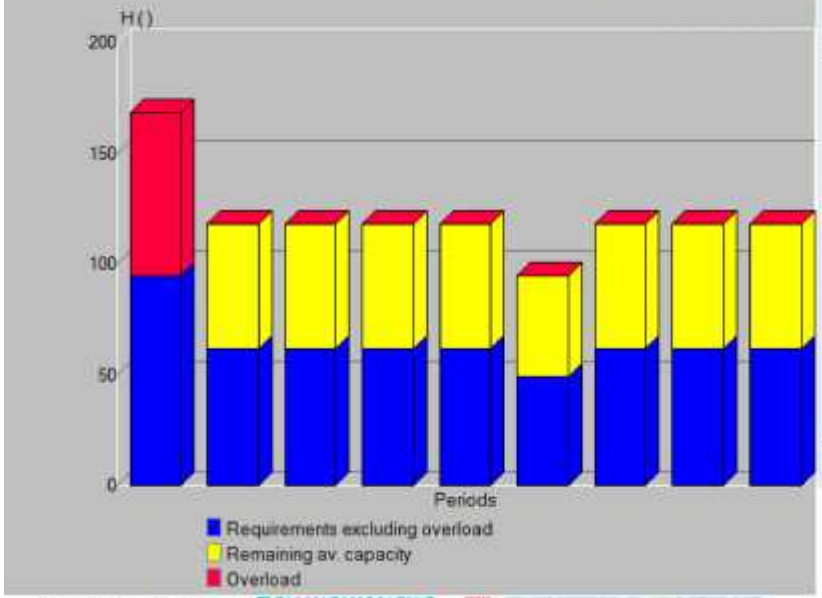
Standard overview | Detailed cap. list | Variable overview

Work Center

Capacity Planner Group MR1

Plant MR30

Standard overview - MR30LD01/ Z02



Capacity Planning: Standard Overview

Cap. details/period

Mechanic Capacity

Work center MR30LM01 Mechanic Yan Site MR30
Capacity cat.: Z02 Kapasitas Yan

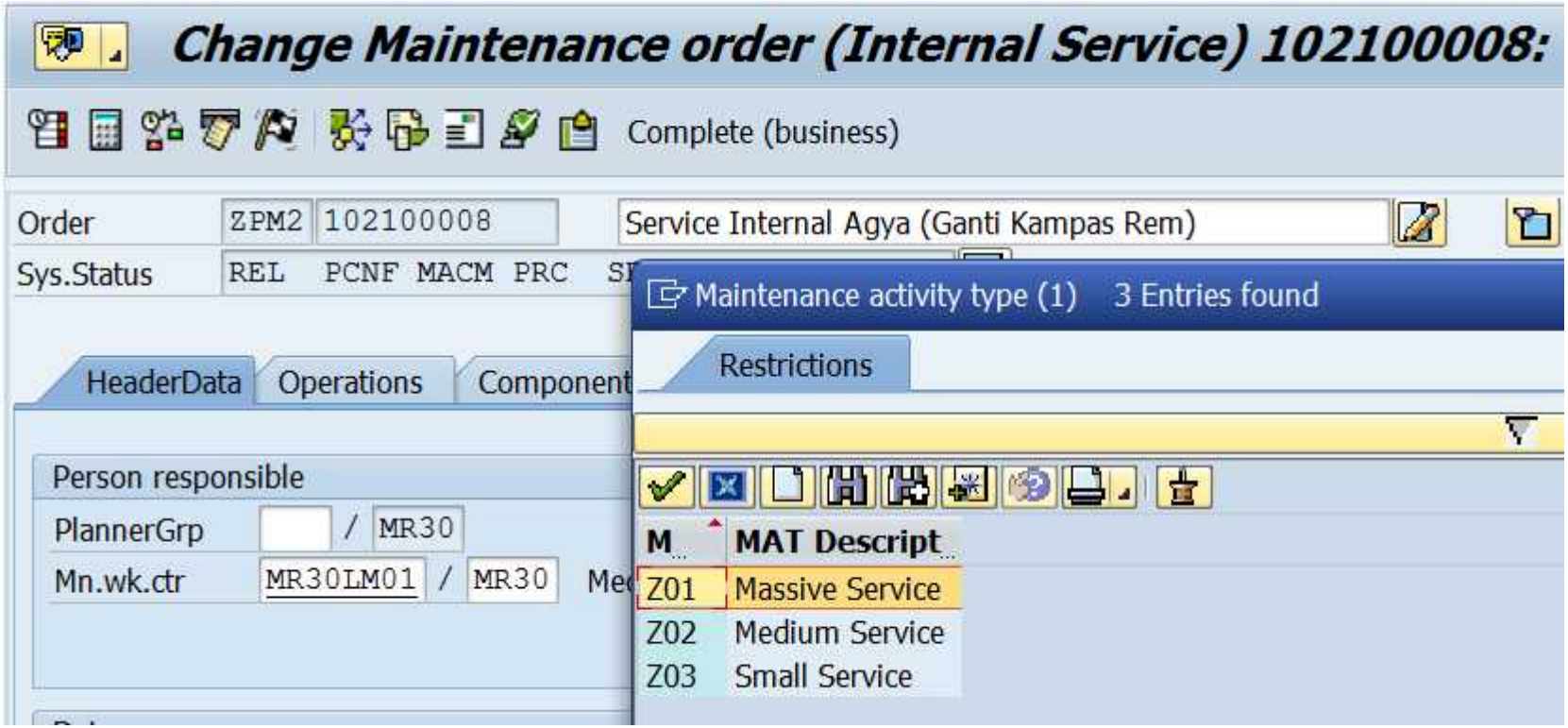
Week	Requirements	AvailCap.	CapLoad	RemAvailCap	Unit
08.2018	12.00	32.00	38 %	20.00	H
09.2018	0.00	40.00	0 %	40.00	H
10.2018	0.00	40.00	0 %	40.00	H
11.2018	0.00	40.00	0 %	40.00	H
Total >>>	12.00	152.00	8 %	140.00	H

Work center MR30LM02 Mechanic Yohanna Site MR30
Capacity cat.: Z02 Kapasitas Yohanna

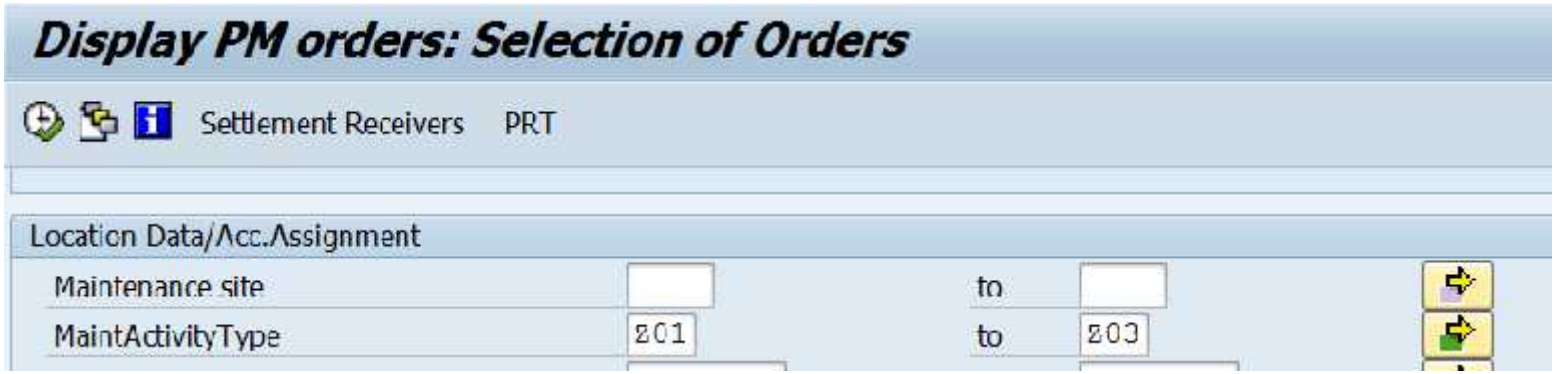
Week	Requirements	AvailCap.	CapLoad	RemAvailCap	Unit
08.2018	6.00	32.00	19 %	26.00	H
09.2018	0.00	40.00	0 %	40.00	H
10.2018	0.00	40.00	0 %	40.00	H
11.2018	0.00	40.00	0 %	40.00	H
Total >>>	6.00	152.00	4 %	146.00	H

Work center MR30LE01 Service Berkala Site MR30
Capacity cat.: Z02 Service berkala

PM Activity Type



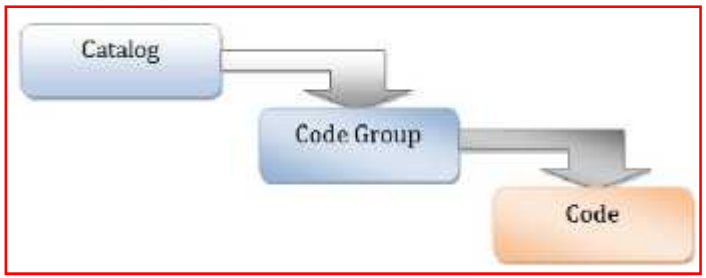
PM – Activity Reporting

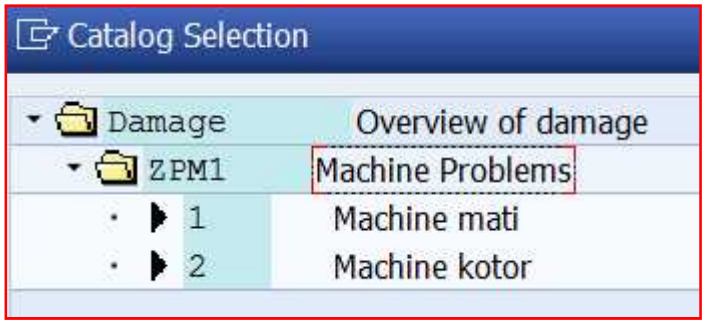


S	Order	Type	Bas. start date	Description	MAT
	102100009	ZPM2	09.02.2018	Perbaikan Mobil Mobilio B 1234	Z02
	103100017	ZPM3	09.02.2018	Ganti kampas rem	Z01

Retrieve order by service category. Massive, medium, small service.

Catalog





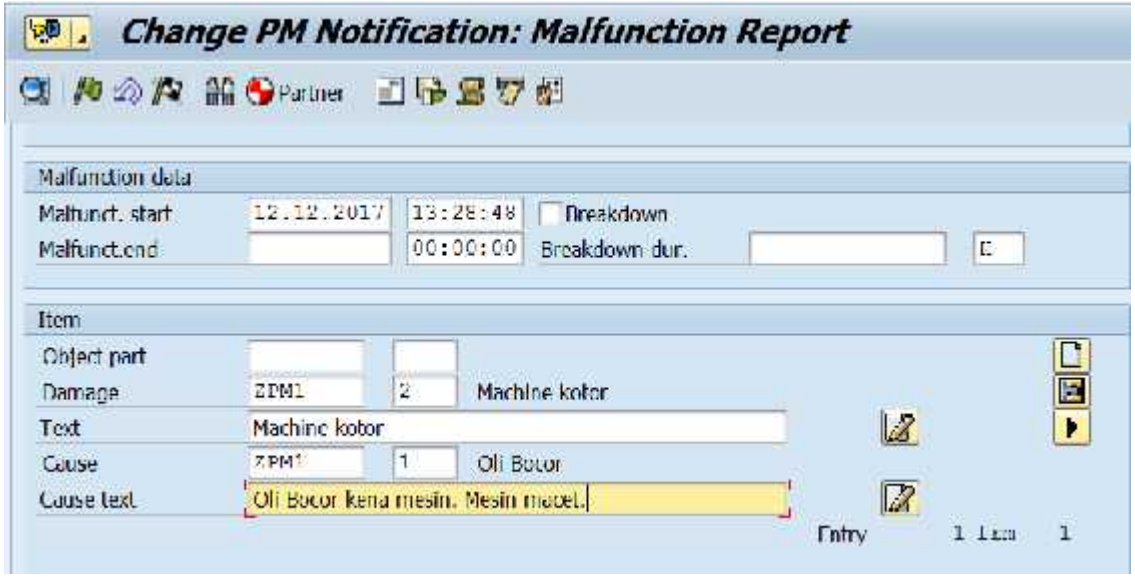
Catalog functions:

1. Reporting and analyst damage and failure.
2. Statistic about equipment failures or breakdown
3. Identify trends and problems
4. Equipment behavior pattern

To:

1. Improve failure response
2. Improve work practices
3. Making decisions

Catalog



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THANK YOU